

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start		Rating **	M	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0001_01_s _ 2013_6				
Comment Code					
Inspector Comment					
The LMA has not attended a flood fight training class in the past few years. They do have an emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0001_01_s _ 2013_8				
Comment Code					
Inspector Comment					
The LMA has emergency supplies on-site.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Old River	Right	1.14	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0001_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual available at the office.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.822306°	37.822306°	
			-121.375304°	-121.375304°	
DWR ID					
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed. 06/25/2015: No significant change observed. 07/02/2014: No significant change observed. 08/20/2013: No significant change at this site. 08/07/2012: The erosion is at the confluence of Old River and one of its tributary. [2016 Site ID:RD0001U01RM31.4]					

Photo 1 of 3 : SJR2016_RD0001U01RM31.4_1.jpg



Upstream view of the erosion.

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Unit No. 01 Old River	Right	1.14	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	N/A : Not Applicable A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	10/13/2016 10/13/2016	Maksim Khashchuk

LM Start	0.45	Rating **	U	Issue No.	10
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818753 °	37.818753 °
				-121.380249 °	-121.380249 °
DWR ID	DWR_RD0001_01_s_2016_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill and compact levee slope with acceptable levee fill.					

Photo 1 of 1 : FA_2016_RD0001_23_10_20160914_00007.jpg



View of the large rodent hole on the landside levee slope.

LM Start	0.51	Rating **	M	Issue No.	5
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.818003 °	37.818003 °
				-121.379845 °	-121.379845 °
DWR ID	DWR_RD0001_01_f_2015_5				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
About a 1 ft. vertical cut is observed at the landside levee toe. Repair the landside levee toe per O&M standards.					

Photo 1 of 1 : FA_2016_RD0001_23_5_20160914_00005.jpg




View of the vertical cut at the landside levee toe.

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Unit No. 01 Old River	Right	1.14	10/13/2016 10/13/2016	Maksim Khashchuk

Photo 1 of 1 : FA_2016_RD0001_23_7_20160914_00006.jpg



View of the erosion on the landside levee slope.


Photo 1 of 1 : FA_2016_RD0001_23_15_20161017_00014.jpg



10/13/2016

View of the large rodent burrow in the landside levee slope.

Photo 1 of 1 : FA_2016_RD0001_23_4_20160914_00004.jpg



View of a large rodent hole on the landside levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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LM Start	1.08	Rating **	M	Issue No.	3
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.812023 °	37.812023 °
				-121.383961 °	-121.383961 °
DWR ID	DWR_RD0001_01_s_2016_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damaged by vehicle by placing and compacting acceptable levee material.					

Photo 1 of 1 : FA_2016_RD0001_23_3_20160914_00003.jpg



View of the landside slope damaged by farm equipment.

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